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(54) Title: METHOD FOR STABILIZATION OF ENZYMES DURING EXPOSURE TO STERILIZING RADATION

(57) Abstract: The present invention provides a composition comprising an enzyme, e.g. oxidase enzyme, a source of zinc and/or ammonium ions and a source of lactate ions. The compositions are typically sterilised by exposing the compositions to sterilising radiation, e.g. gamma radiation. The incorporation of a source of zinc and/or ammonium ions and a source of lactate ions, e.g. zinc L-lactate, in the enzyme-containing composition results in an improvement in enzyme activity post-sterilisation. The presence of a source of zinc and/or ammonium ions and a source of lactate ions in the composition therefore has a protective effect on the enzyme during exposure to sterilising radiation so that good recovery of enzyme activity can be obtained.

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